

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
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Application Serial Number:

10/528,344

Source:

PT

Date Processed by STIC:

2/21/06

# ***ENTERED***



PC1

## RAW SEQUENCE LISTING

DATE: 02/21/2006

PATENT APPLICATION: US/10/528,344

TIME: 12:40:50

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\02212006\J528344.raw

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3 <110> APPLICANT: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
5 <120> TITLE OF INVENTION: EXPRESSION SYSTEMS OF TOXIC PROTEINS, VECTORS
6   AND PROCESS FOR MANUFACTURING TOXIC PROTEINS
8 <130> FILE REFERENCE: B14143 EE
-> 10 <140> CURRENT APPLICATION NUMBER: US/10/528,344
-> 11 <141> CURRENT FILING DATE: 2005-03-18
13 <150> PRIOR APPLICATION NUMBER: FR N02 11676
14 <151> PRIOR FILING DATE: 2002-09-20
16 <160> NUMBER OF SEQ ID NOS: 53
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 37
22 <212> TYPE: PRT
23 <213> ORGANISM: Hepatitis C virus
25 <400> SEQUENCE: 1
26 Met Ile Ala Gly Ala His Trp Gly Val Leu Ala Gly Ile Ala Tyr Phe
27   1             5             10             15
29 Ser Met Val Gly Asn Trp Ala Lys Val Leu Val Val Leu Leu Leu Phe
30   20             25             30
32 Ala Gly Val Asp Ala
33   35
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 31
38 <212> TYPE: PRT
39 <213> ORGANISM: Hepatitis C virus
41 <400> SEQUENCE: 2
42 Met Glu Tyr Val Val Leu Leu Phe Leu Leu Leu Ala Asp Ala Arg Val
43   1             5             10             15
45 Cys Ser Cys Leu Trp Met Met Leu Leu Ile Ser Gln Ala Glu Ala
46   20             25             30
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 111
51 <212> TYPE: DNA
52 <213> ORGANISM: Hepatitis C virus
54 <400> SEQUENCE: 3
55 atgatcgctg gtgctcactg ggggtgttctg gctggatatcg cttacttctc tatggttggt 60
56 aactgggcta aagttctggt tggtctgctg ctggttcgctg gtgttgacgc t 111
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 93
61 <212> TYPE: DNA
62 <213> ORGANISM: Hepatitis C virus
64 <400> SEQUENCE: 4
65 atggaatacg ttgttctgct gttcctgctg ctggctgacg ctctgtgttg ctcttgctg 60

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66 tggatgatgc tgctgatctc tcaggctgaa gct 93
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 24
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of the artificial sequence:
76     oligonucleotide (+) of insertion into pT7-7
78 <400> SEQUENCE: 5
79 gggaatgccca tatgatcgct ggtg. 24
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 23
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of the artificial sequence:
89     oligonucleotide (-) of insertion into pT7-7
91 <400> SEQUENCE: 6
92 gcatatcgat ctaagcgtca aca 23
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 131
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of the artificial sequence: TME1 coding sens DNA
102     + 3' cla I site
104 <400> SEQUENCE: 7
105 atgccatag atcgctgggtg ctactgggg tgttctggct ggtatcgctt acttctctat 60
106 gggttgtaac tgggctaaag ttctgggtgt tctgctgctg ttcgctgggtg ttgacgctta 120
107 gatcgatatg c 131
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 131
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of the artificial sequence: anticodant sens DNA
117     + 5' cla I site
119 <400> SEQUENCE: 8
120 gcatatcgat ctaagcgtca acaccagcga acagcagcag aacaaccaga acttttagccc 60
121 agttaccaac catagagaag taagcgatac cagccagaac accccagtga gcaccagcga 120
122 tcatatggca t 131
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 74
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of the artificial sequence:
132     coding sens oligonucleotide for the synthesis of
133     TME1

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135 <400> SEQUENCE: 9
136 atgccatatg atcgctggtg ctactggggg tgttctggct ggtatcgctt acttctctat 60
137 ggttggtaac tggg 74
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 79
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of the artificial sequence:
147     anticoding sens oligonucleotide for the synthesis of
148     TME1
150 <400> SEQUENCE: 10
151 gcatatcgat ctaagcgtca acaccagcga acagcagcag aacaaccaga acttttagccc 60
152 agttaccaac catagagaa 79
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 22
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of the artificial sequence:
162     oligonucleotide (+) of insertion into pGEXKT without
163     the dp site
165 <400> SEQUENCE: 11
166 ggatccatgg aatacgttgt tc 22
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 28
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of the artificial sequence:
176     oligonucleotide (+) of insertion into pGEXKT with
177     the dp site
179 <400> SEQUENCE: 12
180 ggatccgacc cgatggaata cgttgttc 28
183 <210> SEQ ID NO: 13
184 <211> LENGTH: 23
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of the artificial sequence:
190     oligonucleotide (-) of insertion into pGEXKT
192 <400> SEQUENCE: 13
193 gaattcctaa gcttcagcct gag 23
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 27
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of the artificial sequence:

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203     oligonucleotide (+) of transfert onto pET32a
205 <400> SEQUENCE: 14
206 gtgatatctg atctgtctgg tgggtgg      27
209 <210> SEQ ID NO: 15
210 <211> LENGTH: 26
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of the artificial sequence:
216     oligonucleotide (+) of insertion into pT7-7
218 <400> SEQUENCE: 15
219 cgcataatgga cccgatcgct ggtgct      26
222 <210> SEQ ID NO: 16
223 <211> LENGTH: 24
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of the artificial sequence:
229     oligonucleotide (-) of insertion into pT7-7
231 <400> SEQUENCE: 16
232 gaattcctaa gcgtcaacac cagc      24
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 19
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of the artificial sequence:
242     oligonucleotide (+) of insertion into pT7-7
244 <400> SEQUENCE: 17
245 catatggaat acgttggttc      19
248 <210> SEQ ID NO: 18
249 <211> LENGTH: 28
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of the artificial sequence:
255     oligonucleotide (-) of insertion into pT7-7
257 <400> SEQUENCE: 18
258 aagcttaagc ttcagcctga gagatcag      28
261 <210> SEQ ID NO: 19
262 <211> LENGTH: 103
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of the artificial sequence: sens DNA
268     coding TME2 + 5' Nde I site and 3' Hind III site
270 <400> SEQUENCE: 19
271 catatggaat acgttggttct gctgttcctg ctgctggctg acgctcgtgt ttgctcttgc 60
272 ctgtggatga tgctgctgat ctctcaggct gaagcttaag ctt      103

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Input Set : A:\PTO.KD.txt

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275 <210> SEQ ID NO: 20
276 <211> LENGTH: 103
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of the artificial sequence: sens DNA
282     anticoding TME2 + 3' Nde I site and 5' Hind III site
284 <400> SEQUENCE: 20
285 aagctttaagc ttcagcctga gagatcagca gcatcatcca caggcaagag caaacacgag 60
286 cgtcagccag cagcaggaac agcagaacaa cgtattccat atg 103
289 <210> SEQ ID NO: 21
290 <211> LENGTH: 68
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of the artificial sequence:
296     sens oligonucleotide (+) coding for the synthesis
297     of TME2
299 <400> SEQUENCE: 21
300 catatggaat acgttggttct gctgttcctg ctgctggctg acgctcgtgt ttgctcttgc 60
301 ctgtggat 68
304 <210> SEQ ID NO: 22
305 <211> LENGTH: 57
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of the artificial sequence:
311     sens oligonucleotide (-) coding for the synthesis
312     of TME2
314 <400> SEQUENCE: 22
315 aagctttaagc ttcagcctga gagatcagca gcatcatcca caggcaagac gaaacac 57
318 <210> SEQ ID NO: 23
319 <211> LENGTH: 19
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of the artificial sequence:
325     oligonucleotide (+) of insertion into pGEXKT without
326     the dp site
328 <400> SEQUENCE: 23
329 ggatccgaat acgttggttc 19
332 <210> SEQ ID NO: 24
333 <211> LENGTH: 25
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of the artificial sequence:
339     oligonucleotide (+) of insertion into pGEXKT with
340     the dp site

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**VERIFICATION SUMMARY**

DATE: 02/21/2006

PATENT APPLICATION: US/10/528,344

TIME: 12:40:51

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\02212006\J528344.raw

10 M:270 C: Current Application Number differs, Replaced Application Number

11 M:271 C: Current Filing Date differs, Replaced Current Filing Date